Maine's Biggest Industries; Structural Overview of the Maine Economy

Galen Rose Maine State Planning Office June 2004

Maine's Biggest Industries

Donk by Empl. Size

One of the most frequently asked questions about the Maine economy is, "What are Maine's biggest industries?" This brief paper attempts to answer this question as well as provide some numbers for natural resource based industries and tourism.

First, we must decide what we mean by biggest industries; do we mean which industries employ the most people, or which provide the most income to people, or which contribute the most value added to the economy? Perhaps the most common measure is employment, so we will concentrate on that measure, but also provide raw data on the other common measures.

In terms of employment by major industry group, Maine differs very little from the nation as a whole, as can be seen in Figure 1, below. The significant differences are in the details.

Maine's Largest Industries 2003 (3-digit NAICS) (ranked by payroll employment)

Rank by	Empi. Size		
US	Maine	Maine Total	606.1
1	1	Food Services and Drinking Places	39.4
3	2	Hospitals	26.3
4	3	Ambulatory Health Care Services	23.5
5	4	Nursing and Residential Care Facilities	22.7
2	5	Administrative and Support Servs.	21.0
7	6	Food and Beverage Stores	19.3
8	7	Specialty Trade Contractors	18.4
9	8	Educational Services	17.9
11	9	Social Assistance	16.4
10	10	Insurance Carriers and Related	12.8

Sum of Largest 10 217.7 Largest 10 as % of Total 36%

However, what many people mean when they ask about Maine's largest industries is which are much bigger in Maine than in the nation, in percentage terms. In the table on the following page, some industries are in bold type. These are the industries which are "bigger" in Maine than in the nation, in the sense that in Maine a much larger percentage of all workers are in these industries than is the case nationwide; that is, the concentration of employment in these industries is at least two times (2X) the national norm. By this measure, Maine's biggest industries would be fishing (17X), leather manufacturing (16X), forestry (5X), paper manufacturing (4X), lumber and wood products manufacturing (3X), tourism (2X), and ship and boat building (2X).

But what about tourism? Tourism cuts across several industry codings, in retail, services, transportation, etc., and by the Federal Governments standard coding is not a distinct industry. However, since we know from annual surveys of travelers in Maine how much tourists spend (resident and non-resident) in various categories (\$6.2 billion in 2002) – and how many jobs are supported by that level of spending, we can approximate how many Maine jobs are supported by tourism. In 2001, we estimate, very roughly, that about 58,000 Maine jobs are supported by tourism. Thus, tourism can fairly be said to be Maine's largest industry, and tourism-related employment is much more concentrated in Maine than in the nation.

As noted on the previous page, and in the following table, natural resource industries are very important in Maine.

Maine Natural Resource Employment	2002
Farm employment	10,500
Fishing, Hunting, Trapping	8,400
Forestry & Logging	6,100
Agricultural & Forestry Support Services	2,600
Total	27,600

If we include those industries which are directly dependent on natural resources, the total swells to 56,600. These industries are shown below:

Paper Mfg.	11,700
Wood Product Mfg.	7,800
Food Mfg.	7,100
Furniture Mfg.	2,400
Total	29,000

(source: US Bur. of Economic Analysis; total full- & part-time employment)

The next few pages provide measures of Maine industries by employment, Gross State Product (the value added to the economy by an industry), and Personal Income (the dollar volume of income received by people working in the industries). The last table is a list of Maine's 50 largest private companies.

FULL- & PART-TIME EMPLOYMENT 2002	MAINE	US
Total employment	802,317	167,033,500
Farm employment	10,533	3,075,000
Forestry, fishing, related activities, and other 3/ Mining	17,068 471	1,015,800 778,600
Utilities	2,412	618,600
Construction	54,649	9,815,300
Specialty trade contractors	36,722	6,462,200
Other	17,927	3,353,100
Manufacturing	72,719	15,800,400
Durable goods manufacturing	38,691	9,799,100
Wood product manufacturing	7,838	625,100
Nonmetallic mineral product manufacturing Primary metal manufacturing	1,663 439	529,000 513,400
Fabricated metal product manufacturing	5,191	1,605,200
Machinery manufacturing	2,676	1,263,500
Computer and electronic product manufacturing	4,773	1,512,300
Electrical equipment and appliance manufacturing	1,036	507,100
Motor vehicle manufacturing	606	1,152,800
Transportation equipment mfg. excl. motor vehicles	9,680	681,700
Furniture and related product manufacturing Miscellaneous manufacturing	2,359 2,430	640,800 768,200
Nondurable goods manufacturing	34,028	6,001,300
Food manufacturing	7,137	1,583,800
Beverage and tobacco product manufacturing	445	209,700
Textile mills	2,159	295,100
Textile product mills	1,202	200,500
Apparel manufacturing	1,254	395,200
Leather and allied product manufacturing	2,951	58,500
Paper manufacturing	11,662	545,300
Printing and related support activities Petroleum and coal products manufacturing	2,978 397	770,100 119,000
Chemical manufacturing	1,432	940,200
Plastics and rubber products manufacturing	2,411	883,900
Wholesale trade	22,836	6,163,000
Retail trade	106,895	18,384,900
Motor vehicle and parts dealers	11,895	2,114,200
Furniture and home furnishings stores	3,006	629,100
Electronics and appliance stores	2,229	592,900
Building material and garden supply stores Food and beverage stores	7,378 20,794	1,274,500 3,103,600
Health and personal care stores	4,128	1,117,100
Gasoline stations	8,112	965,000
Clothing and clothing accessories stores	5,774	1,513,300
Sporting goods, hobby, book and music stores	5,419	853,600
General merchandise stores	12,390	2,953,600
Miscellaneous store retailers	11,355	1,655,000
Nonstore retailers Transportation and warehousing	14,415 19,590	1,613,000 5,365,200
Truck transportation	7,614	1,632,400
Other	9,604	3,211,300
Warehousing and storage	2,372	521,500
Information	13,401	3,819,000
Finance and insurance	33,859	7,929,500
Real estate and rental and leasing	25,197	6,444,900
Professional and technical services	40,420	10,448,600
Management of companies and enterprises Administrative and waste services	6,434 32,419	1,772,000 9,545,200
Educational services	14,883	3,136,400
Health care and social assistance	105,920	16,124,600
Ambulatory health care services	30,601	5,800,100
Hospitals	25,700	4,155,800
Nursing and residential care facilities	22,567	2,818,000
Social assistance	27,052	3,350,700
Arts, entertainment, and recreation Accommodation and food services	17,611 54,586	3,310,500
Accommodation and lood services Accommodation	12,769	10,938,200 1,909,300
Food services and drinking places	41,817	9,028,900
Other services, except public administration	40,266	9,201,800
Government and government enterprises	110,148	23,346,000
Federal, civilian	13,515	2,730,000
Military	9,186	1,954,000
State and local	87,447	18,662,000
State government Local government	27,022 60,425	5,055,000 13,607,000
Local government	-3-	13,007,000
	-3-	

GROSS STATE PRODUCT 2001 (millions of current		
dollars)	MAINE	US \$10,127,100
Total Gross State Product Private industries	\$37,449 32,052	\$10,137,190 8,918,169
Agriculture, forestry, and fishing	725	140,650
Farms	240	80,596
Ag. services, forestry, and fishing	486	60,054
Mining Construction	5 1,723	139,040 480,013
Manufacturing	5,239	1,422,990
Durable goods	2,511	812,809
Lumber and wood products	444	39,199
Furniture and fixtures	169 61	25,023 36,697
Stone, clay, and glass products Primary metal industries	48	45,144
Fabricated metal products	222	100,760
Industrial machinery and equipment	336	148,212
Electronic and other electric equipment \1	324	143,083
Motor vehicles and equipment Other transportation equipment	35 797	111,431 71,429
Instruments and related products \1	38	61,653
Miscellaneous manufacturing	38	30,179
Nondurable goods	2,729	610,181
Food and kindred products	468	123,683
Tobacco products Textile mill products	0 98	21,126 22,068
Apparel and other textile products	68	23,294
Paper and allied products	1,302	55,940
Printing and publishing	217	100,193
Chemicals and allied products Petroleum and coal products	151 27	163,456 40,603
Rubber and misc. plastics products	181	56,551
Leather and leather products	217	3,268
Transportation and public utilities	2,518	819,464
Transportation	892 514	306,085
Trucking and warehousing Other Transportation	378	125,967 180,118
Communications	734	291,462
Electric, gas, and sanitary services	892	221,916
Wholesale trade	2,198	680,683
Retail trade Finance, insurance, and real estate	4,481 7,194	931,756 2,076,987
Depository institutions \2	967	359,900
Nondepository institutions \2	433	88,784
Security and commodity brokers	170	174,996
Insurance carriers Insurance agents, brokers, and services	897 235	170,071 66,516
Real estate	4,457	1,171,677
Holding and other investment offices	35	45,043
Services	7,970	2,226,585
Hotels and other lodging places	361	88,429
Personal services Business services \3	208 1,103	62,655 544,105
Auto repair, services, and parking	453	99,531
Miscellaneous repair services	121	26,950
Motion pictures	46	35,457
Amusement and recreation services Health services	172 3,048	79,322 589,788
Legal services	3,048	145,562
Educational services	347	84,435
Social services	635	74,680
Membership organizations	171	63,043
Other services \3 Private households	873 48	320,749 11,881
Government	5,396	1,219,022
Federal, civilian	1,181	232,694
Federal military	418	101,204
State and local	3,797	885,124

⁽D) Not shown in order to avoid the disclosure of confidential information; estimates are included in higher level totals.

(L) Less than \$500,000 in nominal or real GSP.
Source: Bureau of Economic Analysis, U.S. Department of Commerce.

Personal Income in 2000				
MAINE		US		
Total Personal income (mil\$)	\$32,412	Total Personal income	\$8,310,000	
Earnings by Place of Work	\$21,989	Earnings by Place of Work	\$6,083,302	
Farm income 2/	\$134	Farm income 2/	\$49,956	
M ining	\$4	Mining	\$51,593	
Construction	\$1,589	Construction	\$363,000	
M anufacturing	\$3,441	Manufacturing	\$959,000	
Transportation, Communicat'n and public utils	\$1,147	Transportation, Communicat'n and public utils	\$414,000	
W holesale trade	\$1,132	W holesale trade	\$377,000	
Finance, insurance, and real estate	\$1,489	Finance, insurance, and real estate	\$574,000	

	M anufacturing	\$3,441		M anufacturing	\$959,000
	Transportation, Communicat'n and public utils	\$1,147		Transportation, Communicat'n and public utils	\$414,000
	W holesale trade	\$1,132		W holesale trade	\$377,000
	Finance, insurance, and real estate	\$1,489		Finance, insurance, and real estate	\$574,000
	Services	\$6,175		Services	\$1,780,000
	Government and government enterprises	\$4,008		Government and government enterprises	\$945,000
	Retail trade	\$2,575		Retail trade	\$529,000
	Ag. services, forestry, fishing & other 9/ *Other Income	\$294 \$10,422		Ag. services, forestry, fishing & other 9/ *Other Income	\$40,753 \$2,226,698
	Other medice	Ψ10,422		O ther income	Ψ2,220,030
	Earnings by Place of Work			Earnings by Place of Work	
1	Health services	\$2,368	1	Local Govt.	\$486,000
2	Local Govt.	\$1,855	2	Business services	\$464,000
3	Special trade contractors	\$1,053	3	Health services	\$460,000
4	State Govt.	\$955	4	Finance	\$320,705
5	Federal, civilian Govt.	\$888	5	Engineering and management services 13/	\$243,000
6	Business services	\$878	6	Special trade contractors	\$237,000
7 8	Paper and allied products Mfg. Finance	\$749 \$692	7 8	Transportation State Govt.	\$210,004
9	Engineering and management services 13/	\$643	9	Federal, civilian Govt.	\$194,000 \$190,000
10	Transportation	\$620	10	Insurance	\$139,295
11	Miscellaneous retail	\$619	11	Communications	\$130,000
12	Insurance	\$564	12	Industrial machinery and equipment Mfg.	\$128,000
13	Eating and drinking places	\$527	13	Eating and drinking places	\$123,000
14	Social services 12/	\$523	14	Legal services	\$121,000
15	Food stores	\$445	15	Real estate	\$114,000
16	Other transportation equipment Mfg.	\$436	16	Electronic and other electric equipment Mfg.	\$110,000
17	Automotive dealers and service stations	\$428	17	Chemicals and allied products Mfg.	\$93,668
18	Lumber and wood products Mfg.	\$376	18	Miscellaneous retail	\$93,092
19	Electronic and other electric equipment Mfg.	\$350	19	Automotive dealers and service stations	\$88,483
20	Legal services	\$321	20	General building contractors	\$84,168
21	General building contractors	\$316	21	Food stores	\$75,591
22	Military (Govt.)	\$311	22	Military (Govt.)	\$75,017
23 24	Educational services Communications	\$299 \$273	23 24	Electric, gas, and sanitary Utilities	\$73,996
25	Electric, gas, and sanitary Utilities	\$273 \$254	25	Printing and publishing (mfg) Educational services	\$73,075 \$71,658
26	Real estate	\$233	26	Fabricated metal products Mfg.	\$66,747
27	Food and kindred products Mfg.	\$225	27	Motor vehicles and equipment Mfg.	\$66,673
28	Heavy construction contractors	\$219	28	Food and kindred products Mfg.	\$66,130
29	Auto repair, services, and parking	\$217	29	Social services 12/	\$60,708
30	Industrial machinery and equipment Mfg.	\$213	30	Amusement and recreation services	\$60,087
31	Hotels and other lodging places	\$212	31	Membership organizations	\$58,716
32	General merchandise stores	\$208	32	General merchandise stores	\$56,650
33	Printing and publishing (mfg)	\$206	33	Instruments and related products Mfg.	\$53,716
34	Building materials and garden equipment	\$166	34	Hotels and other lodging places	\$51,687
35	Membership organizations	\$165	35	Auto repair, services, and parking	\$49,863
36	Personal services	\$163	36	Personal services	\$49,501
37	Leather and leather products Mfg.	\$152	37	Other transportation equipment Mfg.	\$49,173
38 39	Agricultural services Fabricated metal products Mfg.	\$141 \$133	38 39	Heavy construction contractors Rubber and misc. plastics products Mfg.	\$42,292 \$39,540
40	Am usement and recreation services	\$127	40	Primary metal industries Mfg.	\$37,044
41	Fishing	\$126	41	Home furniture and furnishings stores	\$36,619
42	Textile mill products Mfg.	\$107	42	Oil and gas extraction	\$36,344
43	Home furniture and furnishings stores	\$104	43	A gricultural services	\$35,483
44	Rubber and misc. plastics products Mfg.	\$103	44	Paper and allied products Mfg.	\$33,247
45	Chemicals and allied products Mfg.	\$89	45	Lumber and wood products Mfg.	\$31,207
46	Miscellaneous repair services	\$88	46	Building materials and garden equipment	\$31,118
47	Apparel and accessory stores	\$79	47	Motion pictures	\$27,378
48	Miscellaneous services	\$73	48	Stone, clay, and glass products Mfg.	\$27,369
49	Apparel and other textile products Mfg.	\$60	49	Apparel and accessory stores	\$24,572
50	Furniture and fixtures Mfg.	\$57	50	Miscellaneous services	\$22,380
51	Stone, clay, and glass products Mfg.	\$55	51	Furniture and fixtures Mfg.	\$19,499
52	Private households	\$53	52	Miscellaneous repair services	\$19,251
53	Motion pictures Instruments and related products Mfg.	\$36 \$34	53	Textile mill products Mfg. Apparel and other textile products Mfg.	\$17,166 \$17,071
54 55	Miscellaneous manufacturing industries	\$34 \$31	54 55	Miscellaneous manufacturing industries	\$17,071 \$16,089
56	Primary metal industries Mfg.	\$29	56	Private households	\$13,283
57	Forestry	\$29 \$27	57	Petroleum and coal products Mfg.	\$9,234
58	Motor vehicles and equipment Mfg.	\$20	58	Coal mining	\$6,749
59	Petroleum and coal products Mfg.	\$16	59	Nonmetallic minerals, except fuels mining	\$6,279
60	Museums, botanical, zoological gardens	\$7	60	Tobacco products Mfg.	\$2,773
61	Oil and gas extraction	\$1	61	Museums, botanical, zoological gardens	\$2,644
62	Other Forestry, Fishing	\$0	62	Leather and leather products Mfg.	\$2,279
63	Coalmining	\$0	63	Metal mining	\$2,221
64	Tobacco products Mfg.	\$0	64	Other Forestry, Fishing	\$2,180
65	Metal mining	\$0	65	Fishing	\$1,609
66	Ordnance Mfg. 10/	\$0	66	Forestry	\$1,481
67	Nonmetallic minerals, except fuels mining	\$0	67	Ordnance Mfg. 10/	\$0

⁽D) Not shown to avoid disclosure of confidential information, but the estimates for this item are included in the total. (N) Data not available for this year.

* Other Income includes Dividends/Interest/Rent, Transfer Payments, Personal Contributions for Social Insurance, and Adjustment for Residence.

Source: US Department of Commerce; Bureau of Economic Analysis (http://www.bea.doc.gov).

	walle's 30 Largest Private Employers as or June, 2003						
	EMPLOYER	DESCRIPTION	RANGE				
1		RETAIL TRADE	7601-7800				
2	WAL MART PAYROLL DEPARTMENT	TRANSPORTATION & WAREHOUSING	6201-6400				
3	BATH IRON WORKS CORP	MANUFACTURING	6201-6400				
4	L L BEAN INC	TRANSPORTATION & WAREHOUSING	4501-4700				
5	M B N A MARKETING SYSTEMS INC	FINANCE & INSURANCE	3401-3600				
6	INSURANCE SERVICES FEDERAL CR UN	FINANCE & INSURANCE	3401-3600				
7	SHAWS SUPERMARKETS INC	RETAIL TRADE	3401-3600				
8	EASTERN MAINE MEDICAL CENTER	HEALTH CARE	2501-2700				
9	BANKNORTH N A	FINANCE & INSURANCE	2301-2500				
10	INTERNATIONAL PAPER CO	MANUFACTURING	2301-2500				
11	MAINEGENERAL MEDICAL CTR AUGUSTA	HEALTH CARE	2301-2500				
12	UTC SHARED BUSNESS SERVICE,	MANUFACTURING	1251-1450				
13	HOME DEPOT USA INC	RETAIL TRADE	1251-1450				
14	CENTRAL MAINE MEDICAL CENTER	HEALTH CARE	1251-1450				
15	VERIZON NEW ENGLAND INC	INFORMATION	1251-1450				
16	ANTHEM HEALTH SYSTEMS	FINANCE & INSURANCE	1251-1450				
17	RITE AID OF MAINE INC	RETAIL TRADE	1251-1450				
18	CIANBRO CORPORATION	CONSTRUCTION	1251-1450				
19	CENTRAL MAINE POWER CO	CONSTRUCTION	1251-1450				
20	JACKSON LABORATORY	PROF., SCIENTIFIC & TECHNICAL	1251-1450				
21	S D WARREN	MANUFACTURING	1051-1250				
22	MERCY HOSPITAL	HEALTH CARE	1051-1250				
23	FAIRCHILD SEMICONDUCTOR CORP	MANUFACTURING	1051-1250				
24	IRVING OIL CORPORATION	RETAIL TRADE	1051-1250				
25	MEAD OXFORD CORP	MANUFACTURING	1051-1250				
26	SWEETSER	HEALTH CARE	1051-1250				
27		MANUFACTURING	851-1050				
28	BOWDOIN COLLEGE	EDUCATIONAL SERVICES	851-1050				
29	KINDRED NURSING CENTERS WEST LLC	HEALTH CARE	851-1050				
30	ATTENDANT SERVICES INC	HEALTH CARE	851-1050				
31	NEW BALANCE ATHLETIC SHOE INC	MANUFACTURING	851-1050				
32		HEALTH CARE	851-1050				
33	BROWN CO, C N	RETAIL TRADE	851-1050				
34	UNITED PARCEL SERVICE	TRANSPORTATION & WAREHOUSING	851-1050				
35	DEAD RIVER COMPANY	TRANSPORTATION & WAREHOUSING	851-1050				
	GOODWILL INDUSTRIES OF NORTHERN N E	HEALTH CARE	851-1050				
	SEARS ROEBUCK AND CO.	TRANSPORTATION & WAREHOUSING	851-1050				
	INTERSTATE BRANDS CORP	MANUFACTURING	651-850				
	PENOBSCOT BAY MEDICAL CENTER	HEALTH CARE	651-850				
40	MAINE BUSINESS SERVICES INC	ADMINISTRATIVE AND SUPPORT	651-850				
41	BATES COLLEGE	EDUCATIONAL SERVICES	651-850				
42		MANAGEMENT OF COMPANIES	651-850				
43		EDUCATIONAL SERVICES	651-850				
	COMMUNITY HEALTH AND COUNS. SVC	HEALTH CARE	651-850				
45		EDUCATIONAL SERVICES	651-850				
_	UNIVERSITY OF NEW ENGLAND	EDUCATIONAL SERVICES	651-850				
47		HEALTH CARE	651-850				
	BARBER FOODS	MANUFACTURING	651-850				
	YORK HOSPITAL	HEALTH CARE	651-850				
	BLETHEN MAINE NEWSPAPERS INC	INFORMATION	651-850				
00			55. 555				